

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

DUPRAY

Serial No.: 09/176,587

Filed: October 21, 1998

Atty. File No.: 1005-DJD

For: "A WIRELESS LOCATION SYSTEM  
FOR CALIBRATING MULTIPLE  
LOCATION ESTIMATORS"



Group Art Unit: 3662

Examiner: Dao L. Phan

**INFORMATION DISCLOSURE  
STATEMENT**

"EXPRESS MAIL" MAILING LABEL NUMBER: EL331284504US  
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I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED  
WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST  
OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE  
INDICATED ABOVE AND IS ADDRESSED TO THE COMMISSIONER  
FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VIRGINIA 22313-1450.

TYPED OR PRINTED NAME: AIMEE M. THUERK

SIGNATURE: Aimee Thuerk

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

The references cited on attached Form PTO-1449 are being called to the attention of the Examiner.

Copies of the cited references:

Are enclosed herewith.

To the best of applicants' belief, the pertinence of the foreign-language references  
are believed to be summarized in the attached English abstracts and in the figures, although  
applicants do not necessarily vouch for the accuracy of the translation.

Examiner's attention is drawn to the following co-pending applications, copies of  
which have been or are being submitted:

Serial No.09/194,367	filed	Nov. 24, 1998 (docket no. 1003-PUS)
Serial No.09/770,838	filed	Jan 26, 2001 (docket no. 1003-1)
Serial No.10/262,413	filed	Sept. 30, 2002 (docket no. 1003-2)
Serial No.10/262,338	filed	Sept. 30, 2002 (docket no. 1003-3)
Serial No. 09/820,584	filed	March 29, 2001 (docket no. 1004-1)
Serial No. 10/297,449	filed	Dec. 5, 2002 (docket no. 1010-PUS)
Serial No. 10/337,807	filed	Jan. 6, 2003 (docket no. 1011)

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

## **FEES**

<input checked="" type="checkbox"/>	<p><b>37 CFR 1.97(b):</b> No fee is believed due in connection with this submission, because the information disclosure statement submitted herewith satisfies one of the following conditions ("X" indicates satisfaction):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or</li> <li><input type="checkbox"/> Within three months of the date of entry into the national stage of an international application as set forth in 37 CFR 1.491 or</li> <li><input type="checkbox"/> Before the mailing date of a first Office Action on the merits, or</li> <li><input checked="" type="checkbox"/> Before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114.</li> </ul> <p>Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p>
<input type="checkbox"/>	<p><b>37 CFR 1.97(c):</b> The information disclosure statement transmitted herewith is being filed after all the above conditions (37 CFR 1.97(b)), but before the mailing date of one of the following conditions:</p> <ol style="list-style-type: none"> <li>(1) a final action under 37 C.F.R. 1.113 or</li> <li>(2) a notice of allowance under 37 C.F.R. 1.311, or</li> <li>(3) an action that otherwise closes prosecution in the application.</li> </ol> <p>This Information Disclosure Statement is accompanied by:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</li> </ul> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> A check in the amount of \$180.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970.</li> </ul>
<input type="checkbox"/>	<p><b>37 CFR 1.97(d):</b> This Information Disclosure Statement is being submitted after the period specified in 37 CFR 1.97(c).</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e)</li> </ul> <p style="text-align: center;">AND</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Applicants hereby requests consideration of the reference(s) disclosed herein. Enclosed is the fee in the amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970.</li> </ul> <p>Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.</p>

**Certification (37 C.F.R. 1.97(e))**  
(Applicable only if checked)

The undersigned certifies that:

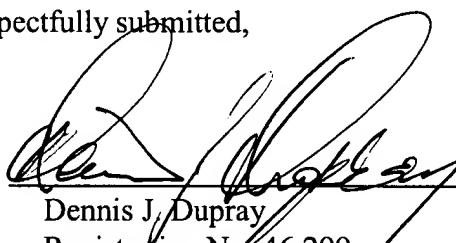
Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(1).

A copy of the communication from the foreign patent office is enclosed.

OR

No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,

By: 

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Date: Jan. 12, 2004

SHEET 1 OF 2

FORM PTO-1449  INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1005-DJD	SERIAL NO. 09/176,587
	APPLICANT DUPRAY		
	FILING DATE October 21, 1998	GROUP ART 3662	

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
1.	6,549,130	4/15/03	JOAO	340	539	
2.	6,381,464	4/30/02	VANNUCCI	455	456	
3.	6,330,452	12/11/01	FATTOUCHE et al.	455	456	
4.	6,243,587	6/5/01	DENT et al.	455	456	
5.	6,240,285	5/29/01	BLUM et al.	455	404	
6.	5,917,405	6/29/99	JOAO	340	426	
7.	5,845,267	12/1/98	RONEN	705	40	
8.	5,809,415	9/15/98	ROSSMANN	455	422	
9.	5,799,016	8/25/98	ONWELLER	370	401	
10.	5,787,354	7/28/98	GRAY et al.	455	456	
11.	5,774,805	6/30/98	ZICKER	455	426	
12.	5,764,756	6/9/98	ONWELLER	379	242	
13.	5,742,905	4/21/98	PEPE et al.	455	461	
14.	5,724,648	3/3/98	SHAUGHNESSY et al.	455	56.1	
15.	5,594,782	1/14/97	ZICKER et al.	379	63	
16.	5,594,425	1/14/97	LADNER et al.	340	825.06	
17.	5,588,038	12/24/96	SNYDER	379	57	
18.	5,563,931	10/8/96	BISHOP et al.	379	59	
19.	5,513,243	4/30/96	KAGE	379	58	

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



SHEET 2 OF 2

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 1005-DJD	SERIAL NO. 09/176,587
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT DUPRAY	
		FILING DATE October 21, 1998	GROUP ART 3662

	20.	5,473,602	12/5/95	MCKENNA et al.	370	60	
	21.	5,119,104	6/2/92	HELLER	342	450	
	22.	4,542,744	9/24/85	BARNES et al.	128	660	
	23.	3,646,580	2/29/72	FULLER et al.	325	53	
	24.	09/230,109					
	25.	10/297449					
	26.	10/337807					

#### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
27.	WO 97/41654	11/6/97	PCT	H04H 1	00		
28.	WO 97/50002	12/31/97	PCT	G01S 3	02		
29.	WO 94/15412	7/7/94	PCT	H04B 7	185		
30.	WO 94/11853	5/26/94	PCT	G08G 1	0968		

#### OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

31.	Kennemann, Olrik, "Continuous Location of Moving GSM Mobile Stations by Pattern Recognition Techniques," Fifth IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC '94), pp. 630-634, IEEE, Sept. 1994.
32.	Schopp, Michael, "User Modelling and Performance Evaluation of Distributed Location Management for Personal Communications Services," Proceedings of the 15th International Teletraffic Congress (ITC) 15, Washington, D.C., 1997, S. 23-34.
33.	Smith, Jr., "Passive Location of Mobile Cellular Telephone Terminals," IEEE, CH3031-2/91/0000-0221; 1991 pp. 221-225

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	